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F A C S I M I L E C O V E R S H E E TDATE: November 12, 2002OUR REF.: MTS-3181US

TIME: _____

YOUR REF.: Serial No. 09/471,981

2857

TO: Examiner Ly Tran

COMPANY: U.S. PTO

FROM: Jack J. Jankovitz, Esquire

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MTS-3181US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: E. Igaki et al. : Art Unit: 2853
 Serial No.: 09/471,981 : Examiner: Ly T. Tran
 Filed: December 23, 1999 :
 For: INK-JET RECORDING HEAD :

16/E
 T. Steptoe
 11-14-02

RESPONSE TO
OFFICE ACTION DATED AUGUST 9, 2002

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Assistant Commissioner for Patents
 Washington, D.C. 20231

NOV 12 2002

S I R :

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Responsive to the Office Action dated August 9, 2002, please amend the
 above-identified application as follows:

IN THE CLAIMS:

Please replace claims 3 and 81 with the following amended claims:

- 1 3. (As Amended) An ink-jet recording head comprising at least one
 2 2 piezoelectric block having (a) first and second ink pressure chambers, each
 3 pressure chamber communicating with a nozzle for ejecting ink supplied from an
 4 ink supply, (b) first and second partition walls, each partition wall serving as a
 5 driving portion for one of the two ink pressure chambers, each partition wall
 6 including a piezoelectric element and at least two electrodes for driving said
 7 piezoelectric element, (c) a pressure buffer chamber, and (d) first and second
 8 fixed walls,
 9 wherein at least one of said electrodes is embedded in said partition wall
 10 for controlling, by bending of the embedded electrode, whether said partition wall
 11 bends toward a side of said ink pressure chamber, or bends toward a side of said
 12 pressure buffer chamber,
 13 the first ink pressure chamber, the first partition wall, said pressure buffer
 14 chamber, the second partition wall and the second ink pressure chamber are
 15 arranged in sequence along a thickness direction of said piezoelectric block,